图计算库

一些统计

<http://blog.sina.com.cn/s/blog_72ef7bea0102v5ae.html>

1. **Igraph**

网址：<http://igraph.org/>

Github：<https://github.com/igraph>

描述：graph is a collection of network analysis tools with the emphasis on efficiency, portability and ease of use. igraph is open source and free. igraph can be programmed in R, Python and C/C++.

语言：R，C，Python

1. **NetworkX**

网址：<https://networkx.github.io/>

Github：<https://github.com/networkx>

描述：NetworkX is a Python package for the creation, manipulation, and study of the structure, dynamics, and functions of complex networks.

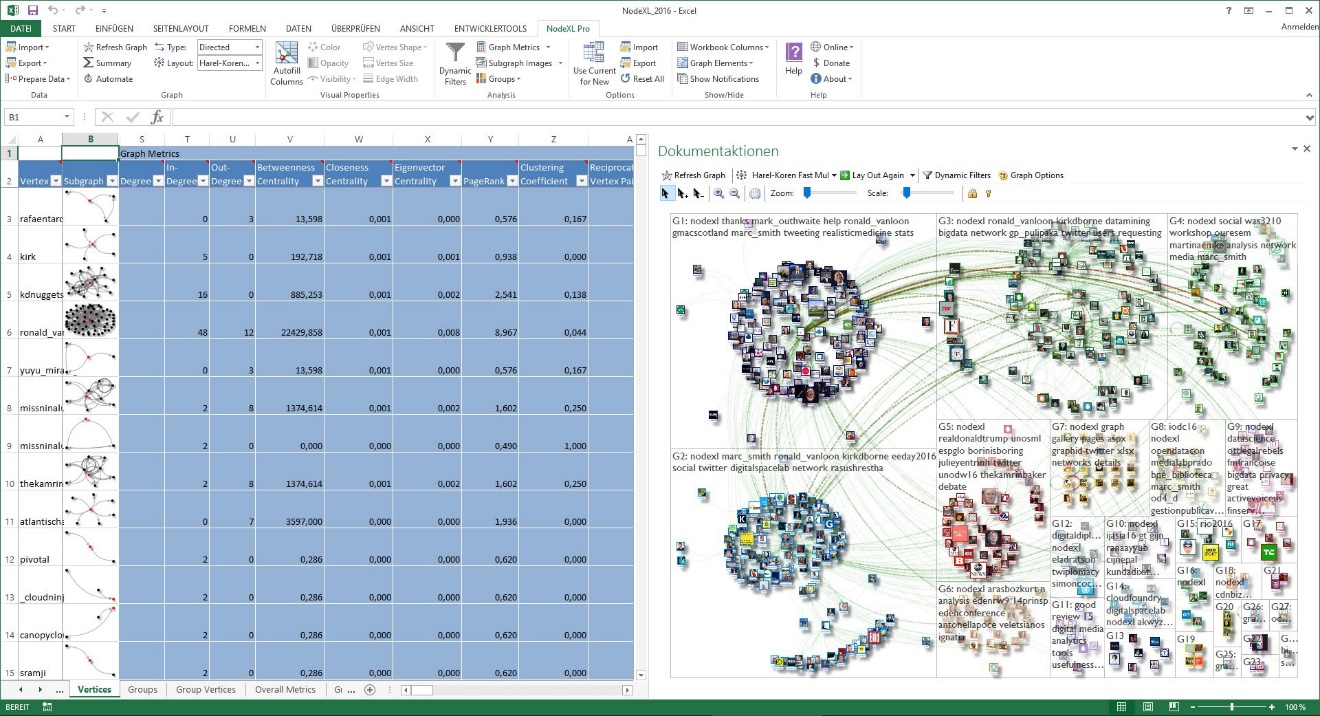
语言：Python

1. **NodeXL**

网址：<https://www.smrfoundation.org/nodexl/>

描述：NodeXL Basic and NodeXL Pro are add-ins for Microsoft® Excel® (2007, 2010, 2013, 2016) that support social network and content analysis.

语言：Excel



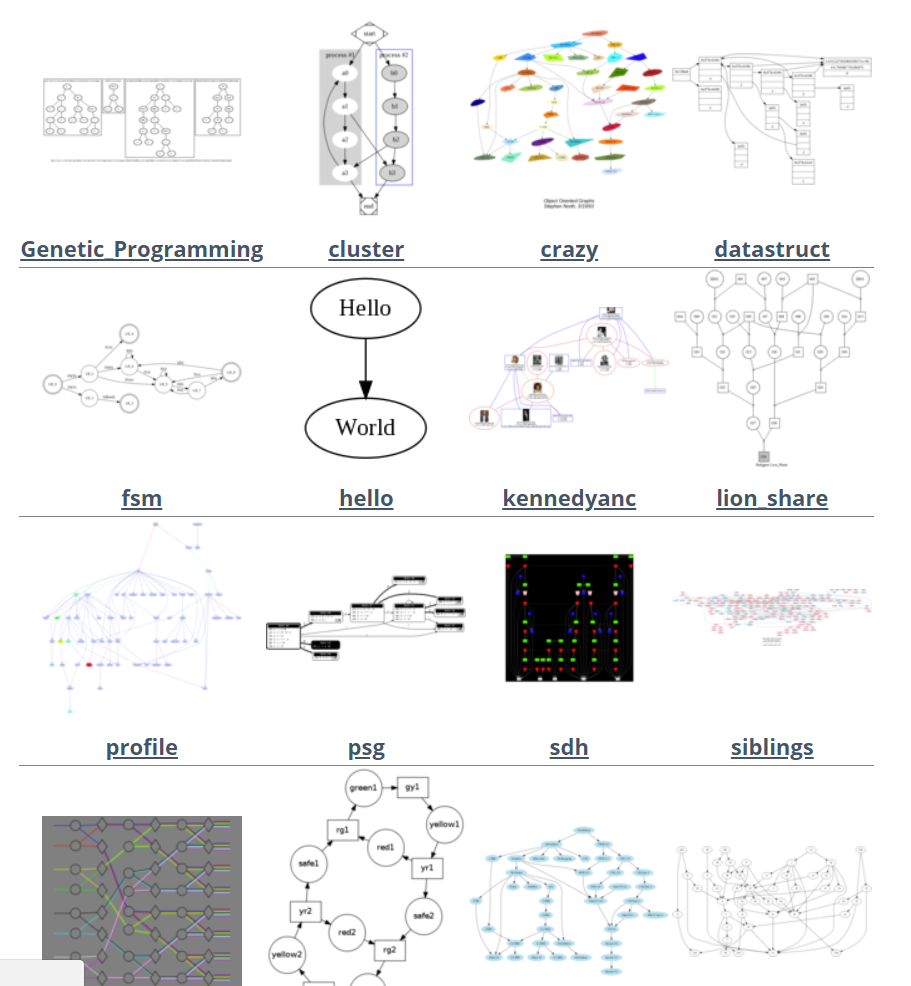
1. **Graphviz**

网址：<https://www.graphviz.org/>

Github：<https://gitlab.com/graphviz> , <https://github.com/ellson/MOTHBALLED-graphviz>

描述：graph visualization software

语言：DOT,C



1. **The Boost Graph Library (BGL)**

网址：<https://www.boost.org/doc/libs/1_42_0/libs/graph/doc/index.html>

Github：<https://github.com/boostorg/graph>

描述：A generic interface for traversing graphs, using C++ templates.

语言：C++

1. **QuickGraph**

网址：<http://yaccconstructor.github.io/QuickGraph/>

Github：<https://github.com/YaccConstructor/QuickGraph>

描述：Generic Graph Data Structures and Algorithms for .NET

语言：C#

1. **networkD3**

网址：<http://christophergandrud.github.io/networkD3/>

Github：<https://github.com/christophergandrud/networkD3>

描述：D3 JavaScript Network Graphs from R

语言：R

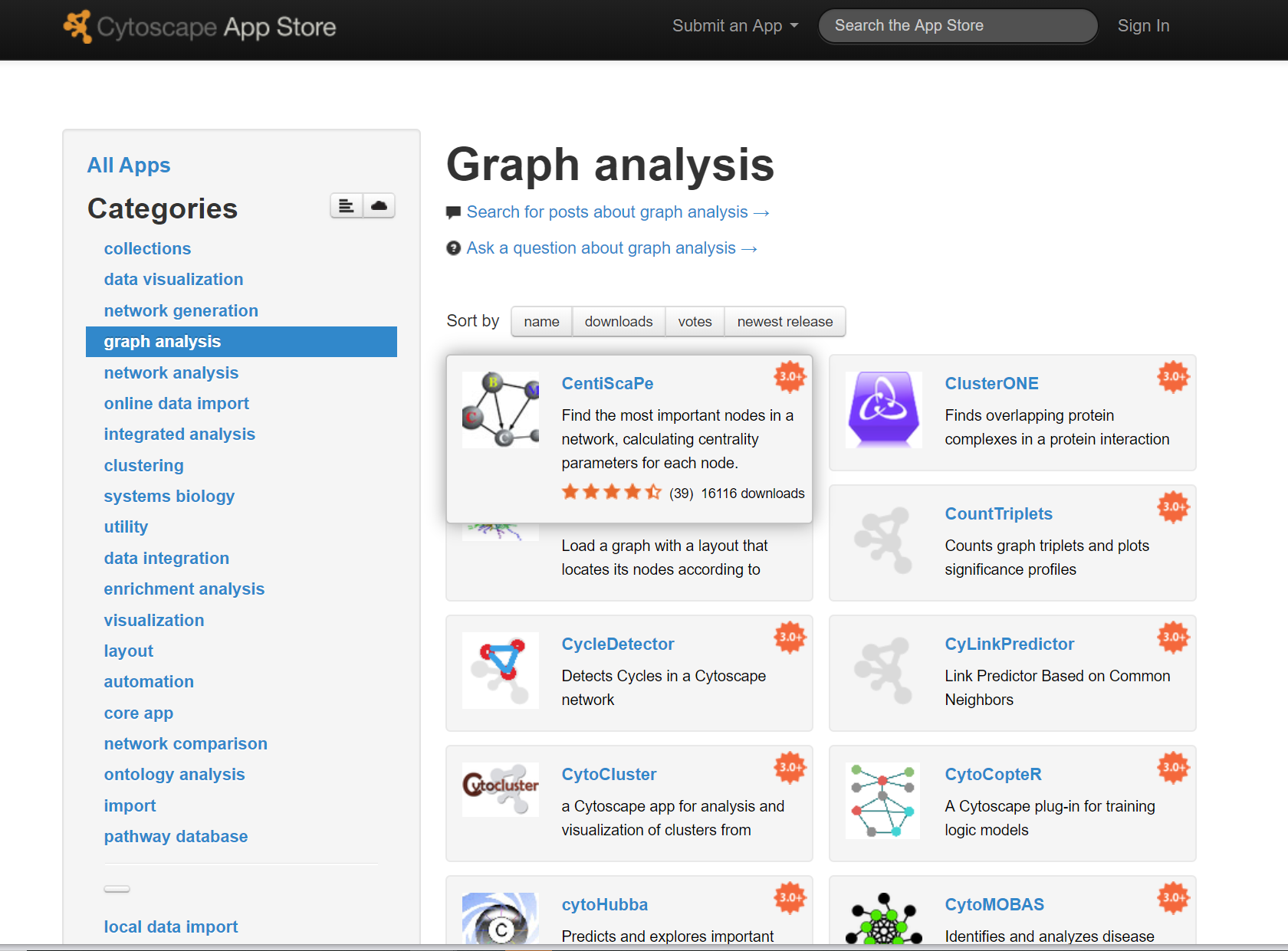
1. **Cytoscape**

网址：<http://www.cytoscape.org/>

<http://apps.cytoscape.org/apps/with_tag/graphanalysis>

Github：<https://github.com/christophergandrud/networkD3>

描述：Cytoscape is an [open source](http://www.cytoscape.org/download.php) software platform for visualizing complex networks and integrating these with any type of attribute data



1. **Neo4j**

网址：<https://neo4j.com/graph-analytics/>

Github：<https://github.com/christophergandrud/networkD3>

描述：Cytoscape is an [open source](http://www.cytoscape.org/download.php) software platform for visualizing complex networks and integrating these with any type of attribute data

语言：

1. **Pajek**

网址：<http://mrvar.fdv.uni-lj.si/pajek/>

Github：

描述：Cytoscape is an [open source](http://www.cytoscape.org/download.php) software platform for visualizing complex networks and integrating these with any type of attribute data

语言：

1. UCINET

网址：<http://mrvar.fdv.uni-lj.si/pajek/>

Github：描述：UCINET 6 for Windows is a software package for the analysis of social network data. It was developed by Lin Freeman, Martin Everett and Steve Borgatti. It comes with the NetDraw network visualization tool.

语言：

1. blueprints

网址：<http://tinkerpop.apache.org/>

Github：<https://github.com/tinkerpop/blueprints>

描述：A Property Graph Model Interface

语言：

1. JUNG

网址：<http://jung.sourceforge.net/>

Github：<https://github.com/jrtom/jung>

描述：JUNG — the Java Universal Network/Graph Framework--is a software library that provides a common and extendible language for the modeling, analysis, and visualization of data that can be represented as a graph or network. It is written in Java, which allows JUNG-based applications to make use of the extensive built-in capabilities of the Java API, as well as those of other existing third-party Java libraries.

语言：Java

1. sonia

网址：<https://web.stanford.edu/group/sonia/>

Github：<https://github.com/jrtom/jung>

描述：SoNIA is a Java-based package for **visualizing dynamic or longitudinal "network" data**. By dynamic, we mean that in addition to information about the relations (ties) between various entities (actors, nodes) there is also information about when these relations occur, or at least the relative order in which they occur.

语言：Java

1. JSNetworkX

网址：<http://jsnetworkx.org/>

Github：<https://github.com/fkling/JSNetworkX>

描述：A JavaScript port of the NetworkX graph library.

语言：JS